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(54) STEROID GLYCOSIDE AND MEDICINE
CONTAINING THE SAME AS ACTIVE
INGREDIENT

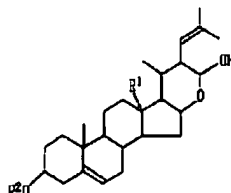
(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new steroid glycoside, available from a plant of the family Liliaceae *Onityhogalum saundersiae*, etc., by extraction with a solvent, having excellent anticancer and immunosuppressing actions and high safety and useful as an anticancer agent, an immunosuppressant, etc.

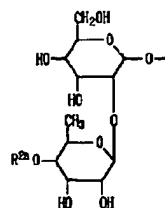
SOLUTION: This new steroid glycoside of formula I (R^1 is formyl or a hydroxyalkyl of a short chain length; R^{2a} is a saccharide residue such as formula II (R^* is H, p-hydroxybenzoyl or p-methoxybenzoyl) which may have an acyl group. The glycoside has excellent anticancer and immunosuppressing actions and high safety and is useful as an anticancer agent, an immunosuppressant, etc. The compound is obtained by chopping a fresh bulb of a plant of the family *Onityhogalum saundersiae*, then digesting the resultant chopped bulb with methanol, removing insoluble substances by filtration, carrying out the liquid-liquid extraction with

butanol and water, collecting a butanol layer, removing the solvent and purifying the residue according to the ion exchange column chromatography, silica gel column chromatography and high-performance liquid chromatography.

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I



II